

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S59	238	(yewebdar or tadesse) and "118"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/09 12:00
S60	113	nguyen-andrew\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 07:31
S61	2	S60 and shock\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 07:17
S62	12696	"shock absorbing".ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 08:00
S63	21	S62 and arm near5 actuat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 07:21
S64	4	S63 and sens\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 07:23
S65	0	S62 and "222"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 07:28
S66	8	S62 and (sens\$3 or detect\$3) and pump\$3 and control\$4 and (arm\$1 or actuator\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 07:53
S67	60	S62 and pump\$3 near5 (liquid or fluid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 07:34
S68	45	S62 and pump\$3 near5 (liquid or fluid) and piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 07:35

EAST Search History

S69	10	S62 and pump\$3 near5 (liquid or fluid) and piston and (detect\$3 or sens\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 07:52
S70	483	piston near5 cylinder\$1 and S62	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 11:18
S71	4	S70 and (sens\$3 or detect\$3) and pump\$3 and control\$4 and (arm\$1 or actuator\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 07:54
S72	13	S70 and (sens\$3 or detect\$3) and pump\$3 and control\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 08:02
S73	17842	piston near5 cylinder\$1 and shock near5 (absorb\$3 or prevent\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 11:18
S74	1902	S73 and (sens\$3 or detect\$3) and pump\$3 and control\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 08:02
S75	296	S73 and (sens\$3 or detect\$3) and pump\$3 near5 air\$1 and control\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 08:03
S76	10295	piston near5 cylinder\$1 same shock near5 (absorb\$3 or prevent\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 08:17
S77	107	piston near5 cylinder\$1 same shock adj (absorb\$3 or prevent\$3) same air near5 pump\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 08:12
S78	2107	piston near5 cylinder\$1 same shock near5 (absorb\$3 or prevent\$3) same (arm or actuator\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 08:17

EAST Search History

S79	66	piston near5 cylinder\$1 same shock near5 (absorb\$3 or prevent\$3) same (arm or actuator\$3) and air near5 pump\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 08:23
S80	403	piston near5 cylinder\$1 same shock near5 (absorb\$3 or prevent\$3) and (arm or actuator\$3) near5 (nozzle or head or dispense\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 08:31
S81	8344	piston near5 cylinder\$1 same (arm or actuator\$3) near5 (nozzle or head or dispense\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 08:31
S82	12696	"shock absorbing".ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 08:32
S83	4	S82 and S81	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 09:29
S85	1681	(118/323).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/05 09:29
S86	188	(901/43).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/05 10:22
S87	650	lopez and "60"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 11:03
S88	486	lopez and "91"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 11:33
S89	80	(91/393).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/05 11:25
S90	745	Pinkney	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 11:06
S91	0	Pinkney and "91"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 11:21

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S92	1381	(91/1,361).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/05 11:17
S93	636	(60/486).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/05 11:18
S94	11	S92 and piston near5 cylinder\$1 and shock near5 (absorb\$3 or prevent\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 11:19
S95	0	Pinkney and S93	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 11:21
S96	1645	"91"/\$.ccls. and pressure same valve\$1 and control\$4 and sensor\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 11:45
S98	2	lopez and S89	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 11:33
S99	42	("20010030306" "20040035106" "20040045148" "20040125472" "3099289" "4080873" "4106390" "4121504" "4379335" "4431873" "4450753" "4481451" "4481768" "4628499" "4686338" "4736131" "4741247" "4808874" "5211196" "5271226" "5333455" "5388751" "5425941" "5431086" "5465021" "5546847" "5587536" "5881767" "6230606" "6234060" "6291928" "6305264" "6431340" "6453261" "6467264" "6523451" "6548938" "6567255" "6642067" "6759790" "6870305").PN. OR ("7021191").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/05 11:37
S100	12	S99 and pump\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 11:52
S101	11	S99 and pump\$3 same valv\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 11:54
S102	8	S99 and pump\$3 same valv\$3 same control\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/05 11:54
S103	1	("5431086").PN:	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/05 17:45

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S11 1	42	("20010030306" "20040035106" "20040045148" "20040125472" "3099289" "4080873" "4106390" "4121504" "4379335" "4431873" "4450753" "4481451" "4481768" "4628499" "4686338" "4736131" "4741247" "4808874" "5211196" "5271226" "5333455" "5388751" "5425941" "5431086" "5465021" "5546847" "5587536" "5881767" "6230606" "6234060" "6291928" "6305264" "6431340" "6453261" "6467264" "6523451" "6548938" "6567255" "6642067" "6759790" "6870305").PN. OR ("7021191").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/09 13:09
S11 2	7	("4399653" "4651621" "4901625").PN. OR ("5431086").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/09 13:10
S11 3	3	S112 and pump\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/09 13:10
S11 4	12	S111 and pump\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/09 13:15
S11 6	1450	(91/1,361,393).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/09 13:17
S11 7	1	air near5 supply\$3 near5 source same pump\$3 and S116	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/09 13:18
S11 8	0	air near5 supply\$3 near5 source same pump\$3 and 91/4.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/09 13:18
S11 9	77	air near5 supply\$3 near5 source same pump\$3 and "91"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/09 13:27
S12 0	557	(91/363r).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/09 13:18
S12 1	63	air near5 supply\$3 near5 source same pump\$3 and "91"/\$.ccls. and piston same cylinder\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/09 13:29
S12 2	636	(60/486).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/09 13:27

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S12 3	13	air near5 supply\$3 same pump\$3 and S122	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/09 13:27
S12 4	4562	air near5 supply\$3 same pump\$3 same piston same cylinder\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/09 13:31
S12 5	358	air near5 supply\$3 same pump\$3 same piston same cylinder\$1 and "91"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/09 13:30
S12 6	4	air near5 supply\$3 same pump\$3 same piston same cylinder\$1 and "91"/\$.ccls. and S122	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/09 13:30
S12 7	191	pump\$3 same piston same cylinder\$1 and S122	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/09 13:32
S12 8	74	(first and second) same pump\$3 same piston same cylinder\$1 and S122	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/09 13:39
S12 9	5	separate same (first and second) same pump\$3 same piston same cylinder\$1 and S122	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/09 13:41
S13 0	14	separat\$3 near5 pump\$3 same piston same cylinder\$1 and S122	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/09 13:42
S13 1	7	separat\$3 near5 pumps same piston same cylinder\$1 and S122	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/09 14:30
S13 2	1	10/743964	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/09 14:13

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S13 3	1	S132 and chang\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/09 14:14
S13 4	34	two near5 pumps same piston same cylinder\$1 and S122	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/09 14:33
S13 5	32	two near5 pumps same piston same cylinder\$1 and S122 and control\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/09 16:46
S13 6	8	two near5 pumps same piston same cylinder\$1 same opening\$1 and S122 and control\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/09 14:36
S13 7	69	two near5 pumps same piston same cylinder\$1 same opening\$1 same control\$4 and "60"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/09 16:43
S13 8	636	(60/486).CCLS. , 412	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/09 16:46
S13 9	7	pump\$3 same piston same cylinder\$1 same controller and S138	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/09 16:46
S14 0	5	(US-7021191-\$ or US-5431086-\$ or US-5174722-\$ or US-4335867-\$ or US-5152143-\$).did.	USPAT	OR	OFF	2007/04/10 09:07
S14 1	3	S140 and sensor\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/10 09:08
S14 2	0	S140 and sensor\$1 same optical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/10 09:09
S14 3	0	S140 and sensor\$1 same electromagnetic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/10 09:53
S14 4	7	("4399653" "4651621" "4901625").PN. OR ("5431086").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/10 09:09

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S14 5	42	("20010030306" "20040035106" "20040045148" "20040125472" "3099289" "4080873" "4106390" "4121504" "4379335" "4431873" "4450753" "4481451" "4481768" "4628499" "4686338" "4736131" "4741247" "4808874" "5211196" "5271226" "5333455" "5388751" "5425941" "5431086" "5465021" "5546847" "5587536" "5881767" "6230606" "6234060" "6291928" "6305264" "6431340" "6453261" "6467264" "6523451" "6548938" "6567255" "6642067" "6759790" "6870305").PN. OR ("7021191").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/10 09:09
S14 6	3	S144 and sensor\$1 same optical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/10 09:10
S14 7	2	S145 and sensor\$1 same optical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/10 09:09
S14 8	1	S145 and sensor\$1 same electromagnetic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/10 09:16
S14 9	1450	(91/1,361,393).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/10 09:16
S15 0	18	S149 and sensor\$1 same electromagnetic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/10 09:17
S15 1	2	S149 and sensor\$1 near5 electromagnetic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/10 09:17
S15 2	1	("5938847").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/10 10:48
S15 3	7	(US-7021191-\$ or US-5431086-\$ or US-5174722-\$ or US-4335867-\$ or US-5152143-\$ or US-4901625-\$ or US-5491422-\$).did.	USPAT	OR	OFF	2007/04/10 09:52
S15 4	2	S153 and electromagnetic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/10 09:53
S15 5	7	S153 and signal\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/10 09:59

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S15 6	2	S153 and electric\$3 near5 signal\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/10 10:48
S15 7	1	S152 and (pneumatic or air)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/10 10:50
S15 8	9	("5002008" "5090808" "5509375").PN. OR ("5938847").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/10 10:50
S15 9	5	S158 and (pneumatic\$3 or air)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/10 10:51
S16 0	1681	(118/323).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/10 10:54
S16 1	1	S160 and (pneumatic\$3 or air) near5 operat\$3 near5 actuator same Z	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/10 10:54
S16 2	8	("2976392" "5046666" "5564606" "5819983").PN. OR ("6736900").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/10 10:54
S16 3	1136	(118/52).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/10 10:54
S16 4	0	S163 and (pneumatic\$3 or air) near5 operat\$3 near5 actuator same Z	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/10 10:55
S16 5	0	S163 and (pneumatic\$3 or air) near5 operat\$3 near5 actuat\$3 same Z	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/10 10:55
S16 6	2	S163 and (pneumatic\$3 or air) near5 operat\$3 same Z	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/10 10:59
S16 7	26	S163 and (pneumatic\$3 or air) same Z	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/10 11:01

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S16 8	137	S163 and (pneumatic\$3 or air) same arm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/10 11:09
S16 9	32	("0691075" "3908592" "4416213" "4564280" "4872417" "4886012" "4932353").PN. OR ("5089305").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/10 11:09
S17 0	3	S169 and (pneumatic\$3 or air) same arm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/10 11:45
S17 1	0	S169 and piston same arm	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/10 11:45
S17 2	2	S169 and piston	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/10 11:45